

ABSTRACT OF THE DISCLOSURE

Embodiments of a wavelength tunable optical coupler, 5 integrated optical components, and lasers are disclosed. The tunable optical coupler, the integrated optical components, and the lasers include thermo-optic organic material that has an index of refraction which can quickly vary in response to changes in temperature. By controlling 10 the temperature in the thermo-optic organic material through the use of heaters or coolers, the optical coupler, the integrated optical components, and the lasers can be quickly and selectively tuned over a broad range of wavelengths with high spectral selectivity.

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